

ABSTRACT OF THE DISCLOSURE

A fluid machine for a waste heat collecting system for an internal combustion engine has an object to make most use of the collected waste heat and an operation of a compressor, an alternator or the like by a rotational driving force from an expansion device function well even during an engine running is stopped. The fluid machine according to the present invention has a pulley connected to the engine, an expansion device for generating a rotational driving force from the collected waste heat, a compressor device driven by the pulley and the expansion device, wherein a rotating shaft is commonly used for the pulley, the expansion device and the compressor device. The expansion device is an expansion device for changing its expansion volume, so that the Rankine cycle for collecting the waste heat can be operated most effectively.